

Title (en)

Calibration of blade load sensors

Title (de)

Kalibrierung von Schaufellastsensoren

Title (fr)

Étalonnage de capteurs de charge de pale

Publication

EP 2615303 A1 20130717 (EN)

Application

EP 12382008 A 20120112

Priority

EP 12382008 A 20120112

Abstract (en)

Method of calibrating one or more load sensors of a blade of a wind turbine, said wind turbine comprising a main generator, a power electronic converter connected with the main generator, and a rotor operationally connected with the main generator and carrying the blade. The method comprises acting on the power electronic converter to operate the main generator as motor to set the blade in at least one predetermined condition. The method further comprises measuring loads in the predetermined condition using the load sensors of the blade and calibrating the blade load sensors taking into account the measured loads.

IPC 8 full level

F03D 11/00 (2006.01); **F03D 9/00** (2006.01)

CPC (source: EP US)

F03D 9/25 (2016.05 - EP US); **F03D 17/00** (2016.05 - EP US); **F05B 2270/802** (2013.01 - EP US); **F05B 2270/808** (2013.01 - EP US); **Y02E 10/72** (2013.01 - EP US)

Citation (applicant)

WO 2011092032 A1 20110804 - LM GLASFIBER AS [DK], et al

Citation (search report)

[A] US 2009263246 A1 20091022 - BOLZ DETLEF [DE]

Cited by

CN110691907A; EP2910776A1; EP3620650A1; US10400750B2; US10502186B2; US10677225B2; US10605233B2; US11286911B2; US9638169B2; WO2015051801A1; WO2020069975A1; WO2018215042A1; US11976630B2; EP3141746A1; JP2017053780A; EP4008900A1; US11732696B2; WO2020182806A1; US10054510B2; EP3988782A1; US11555736B2; EP3938649B1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2615303 A1 20130717; **EP 2615303 B1 20141231**; BR 102013000701 A2 20150519; CN 103206342 A 20130717; CN 103206342 B 20150812; ES 2532177 T3 20150324; US 2013183151 A1 20130718; US 8702388 B2 20140422

DOCDB simple family (application)

EP 12382008 A 20120112; BR 102013000701 A 20130110; CN 201310010889 A 20130111; ES 12382008 T 20120112; US 201313738898 A 20130110